

Delaware Electric Cooperative
Generator Interconnection Application – Short Form
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

Section 1, Applicant Information Directly Interconnected to the Generating System

Is the following system: Leased or Member Owned
Type of Application: Initial or Addition/Upgrade

Name: Constance Wong

Mailing Address: 1007 Barratts Chapel Road

City: Felton State: DE Zip Code: 19943

Email Address: Cowongie@gmail.com

Facility Location (if different from above): _____

Telephone: Area Code 808 Number 754-5008 (Evening) Area Code 808 Number 295-5272

Delaware Electric Cooperative Account No.: 1996503 Rate Code: 1B2

Section 2, Equipment Contractor

Name: KW Solar Solutions, Inc.

Mailing Address: 100 E. Scotland Dr. Suite 105

City: Bear State: DE Zip Code: 19701

Email Address: jackie@kwsolar.net Telephone (Daytime): Area Code 302 Number 838-8400

Section 3, General Service Requirements

If different from the existing service, what size service will the generation facility require?

200A 400A 600A 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

120/240V-1Ph 120/208V-1Ph 120/208V-3Ph 277/480V-3Ph

Section 4, Application Fee

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be \$50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be \$50.00 plus \$1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

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Section 5, Generator Type

Is Generator powered from a Renewable Energy Source: Yes No

Type of Energy Source (if applicable): Solar Wind Other _____

Other generator energy source: Diesel Natural Gas Fuel Oil Other: _____

Will excess power be exported to Delaware Electric Cooperative? Yes No

(Typical) Maximum Export: 5.4 kW DC/AC

2 Yr. Avg. Annual Usage (kWh): 24,000 (est.) Forecast Annual kWh: 14,585
from previous homeowner

(Note: The Annual Forecast MUST be completed using 4.5 peak sun light hours per days)

Section 5, Generator Technical Information

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: SolarWorld Sunmodule SW-300 Mono
(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

Inverter Manufacturer, Model Name & Number (if used): Enphase IQ6
(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

Initial Rating:

DC System Design Capacity: 10.8 (kW) _____ (kVA)
Inverter Capacity: 8.28 (Maximum AC kW)
AC System Design Capacity: 10.48 (kW) _____ (kVA)

Added Rating:

DC System Design Capacity: _____ (kW) _____ (kVA)
Inverter Capacity: _____ (Maximum AC kW)
AC System Design Capacity: _____ (kW) _____ (kVA)

Total Rating (Existing and New):

DC System Design Capacity: _____ (kW) _____ (kVA)
Inverter Capacity: _____ (Maximum AC kW)
AC System Design Capacity: _____ (kW) _____ (kVA)

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Generator Disconnect Switch:

A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

Section 6, Generator/Equipment Certification

Generating systems that utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): Constance A. Wong / Gerald Wong Date: 9/18/17

Signed (Applicant): Constance A. Wong / Gerald Wong

Section 7, Aggregated Meter Information (If Applicable)

The following aggregated accounts shall be ranked according to the order in which credits shall be applied (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

1 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

2 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

3 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

4 - DEC Member Name _____ Rate Code: _____
DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

Any additional meters associated with this aggregated system must be supplied on a separate sheet in the same format.

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Prior to installation send the completed Pages 1-3 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering; Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600 Greenwood, DE 19950

Section 8, PRELIMINARY Approval to Proceed with Interconnection

Delaware Electric Cooperative: Has Approved Has Not Approved this Preliminary Application.

Name : LPGIII Date: 10/13/17

Signature: L. Paul Greenlee III

Digitally signed by L. Paul Greenlee III
DN: cn=L. Paul Greenlee III, ou=Delaware Electric Coop., P., ou
email=lgreenlee@decoop.com, c=US
Date: 2017.10.13 12:41:01 -0400

Reason of Not Approving: _____

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Section 9. Installation Details

Generating System will be installed by: Owner State Licensed Electrician

Installing Electrician: Cahill, Kevin Firm: Cahill Electric License No.: T1-0004081

Mailing Address: 104 Sleepy Hollow Dr. Suite 201

City: Middletown State: DE Zip Code: 19709

Telephone with Area Code: 302-378-9650

Installation Date: 11/10/17 Interconnection Date: _____

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of DE Electric Cooperative

Signed (Inspector): _____ Date: _____
(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

Section 10. Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Name of Applicant (Printed): _____ Date: 11/20/17

Signature of Applicant: Constance A. Wong
ESTELA T. WONG

Section 11. FINAL Approval or Non-Approval

Delaware Electric Cooperative: Has Approved Has Not Approved this Interconnection Application.

Name: LPGIII Date: 12/22/2017

Signature: L. Paul Greenlee III
Digitally signed by L. Paul Greenlee III
DN: cn=L. Paul Greenlee III, ou=Delaware Electric Coop., Inc., ou=
email=lgreenlee@decoop.com, c=US
Date: 2018.01.01 10:19:27 -0500

Reason of Not Approving: _____

Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.



AMERICAN INSPECTION AGENCY, INC.



Approval is issued after completion of visual / final inspection in accordance with the National Electric Code (NFPA 70) applicable governmental, utility, and/or any state or local amendments there to.

CERTIFICATE OF INSPECTION

DATE: November 15, 2017

OWNER: Mr. & Mrs. Wong

OCCUPANT: Dwelling

LOCATION: 1007 Barretts Chapel Road, Felton, DE

TYPE OF OCCUPANCY: Single Family

INSTALLED BY: Cahill Electric

EQUIPMENT: 10.8 KW Solar Associated Electric & 22 KW Generator Associated Electric

This certificate applies to the electrical wiring to the electrical equipment listed above and/or on application along with the installation inspected as of the above noted date based on visual inspection. Should the electrical system to which this certificate applies be altered or changed in anyway, including but not limited to the introduction of additional electrical equipment and/or the replacement of the components installed as of the above noted date, this certificate shall be immediately null and void. This certificate applies only to the use, occupancy and ownership as indicated herein. Upon a change in the use, occupancy or ownership of the property indicated above, the certificate shall be immediately null and void. No warranty is expressed or implied as to the mechanical safety. This certificate shall be valid for a period of one year from the above noted date.